Virginia EV Fact Sheet
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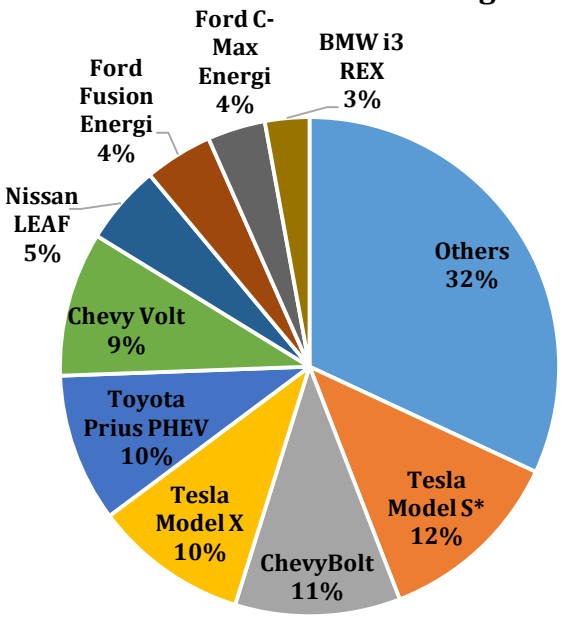
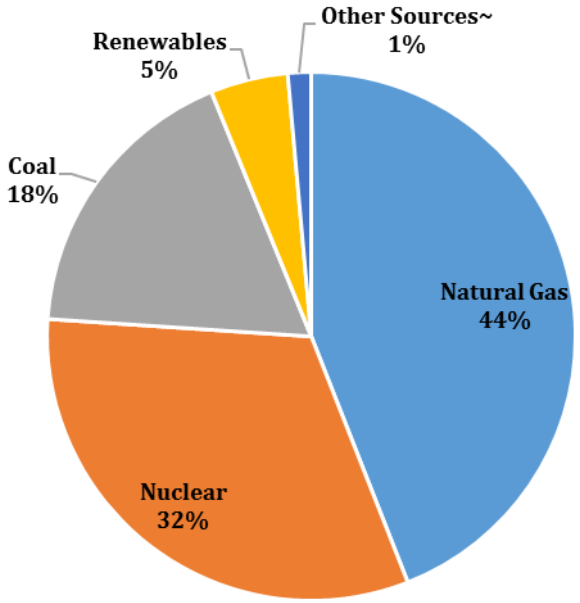
2017 National Sales of Leading BEVs



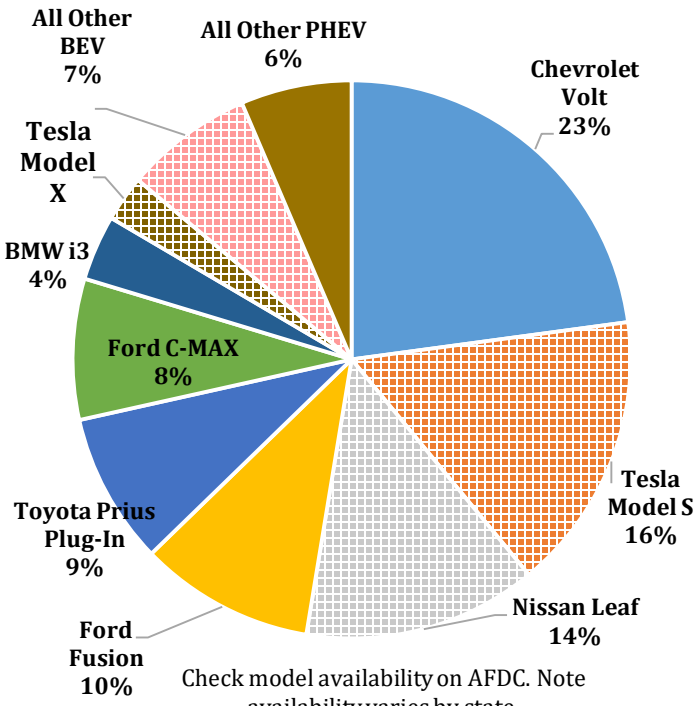
Avg. Price for Gallon of Gasoline in VA:	Avg. Price of Electric Equivalent Gallon in VA:
$2.41	**$1.02**

2017 VA Electric Generation Sources



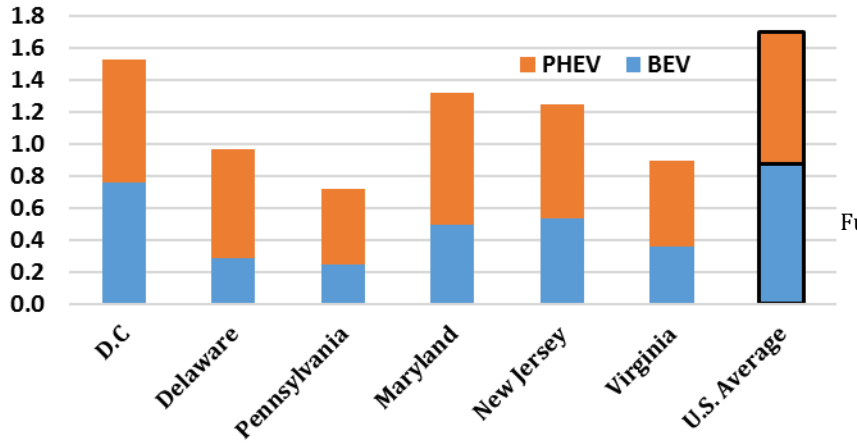
*Renewables (Wind, Solar, Biomass, and Hydro) make up 5% of Virginia's source for electricity.

Virginia Leading PEV 2016 Registrations

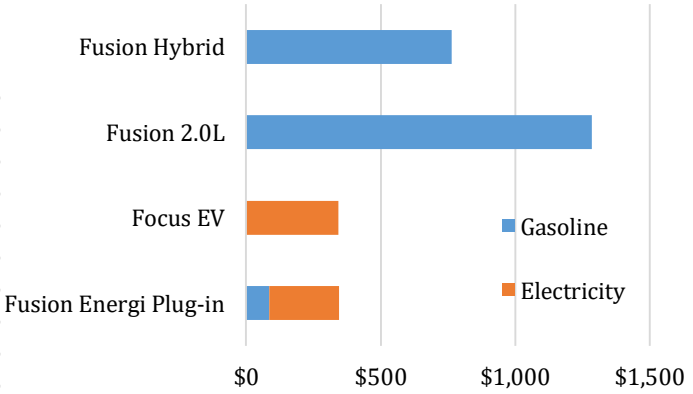


Check model availability on AFDC. Note availability varies by state.
https://www.afdc.energy.gov/states/

2016 Mid-Atlantic PEV Registrations per Capita (1000)



Annual Fuel Cost*



*based on 15,000 miles/year, VA averages of gasoline price of $2.41/gallon and $0.10/kWh of electricity

VA Share of Total U.S. PEVs
1.37%

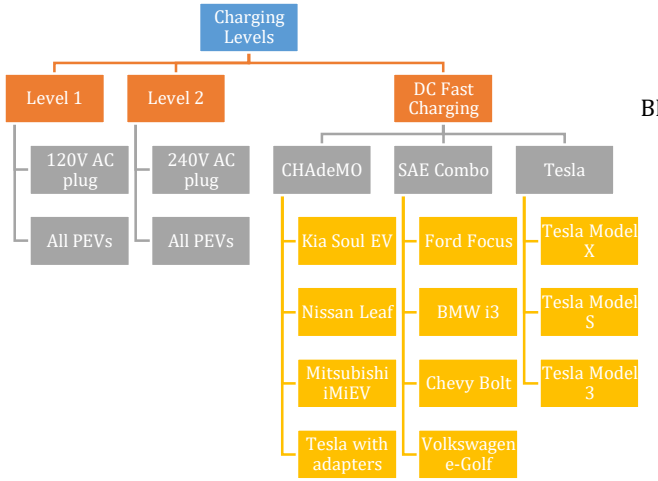
Reference:
Gasoline and Electricity Price, EIA
Number of chargers by type, AFDC
Vehicle fuel efficiency, Fueleconomy.gov
Registration, IHS Polk Data
PEV Sales, Hybridcars.com

Virginia Electric Vehicles Fact Sheet

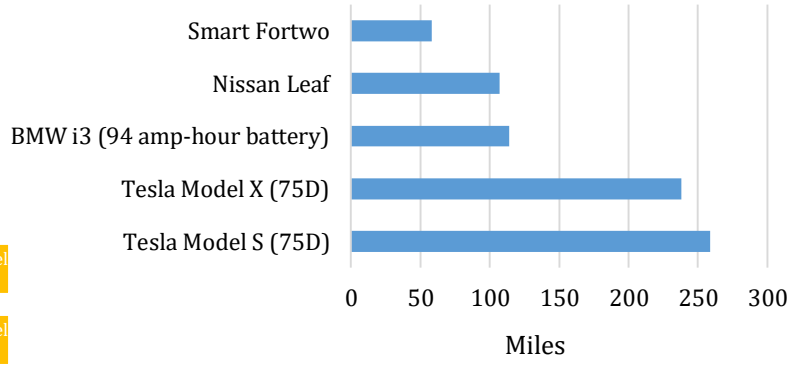
Charging Your Electric Vehicle:
There are three different levels of charging:

- AC Level 1: This provides 120 volts of charging, typically found in a home outlet. Overnight charging can replenish an entire PHEV battery, but not all BEV batteries.
- AC Level 2: This level provides 240 volts, about 10-20 miles of range per hour of charging. This can be installed for home charging, but is also used for public charging. In the home, it can replenish an entire BEV battery overnight.
- DC Fast Charging: This is for rapid charging along heavy traffic corridors. In 20 minutes it can provide enough battery life for a 50-70 miles of range. In ideal conditions of mild temperatures and a low initial charge, a fast charge to 80% will take about 30 minutes for a BEV, but longer in cold weather. There are three types of DC fast charging systems, depending on the vehicle: SAE J1772 combo, ChAdeMO, and Tesla. Adapter is available for Tesla Model S and Model X to use the CHAdeMO chargers.

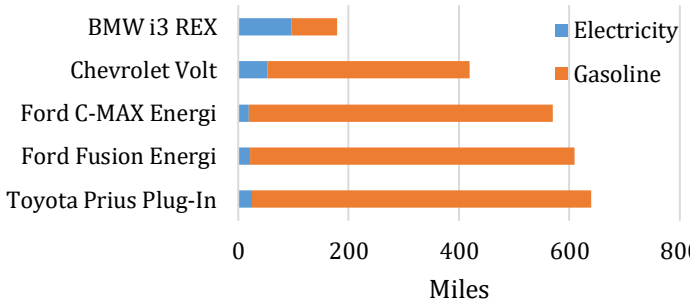
Charging Levels and Types



EPA Rated Range of Top Selling BEV in Virginia (2016)

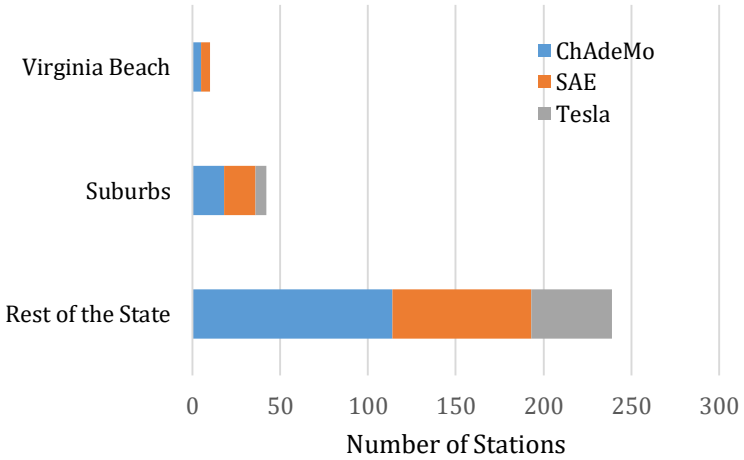


EPA Rated Range of Top Selling PHEV in Virginia (2016)



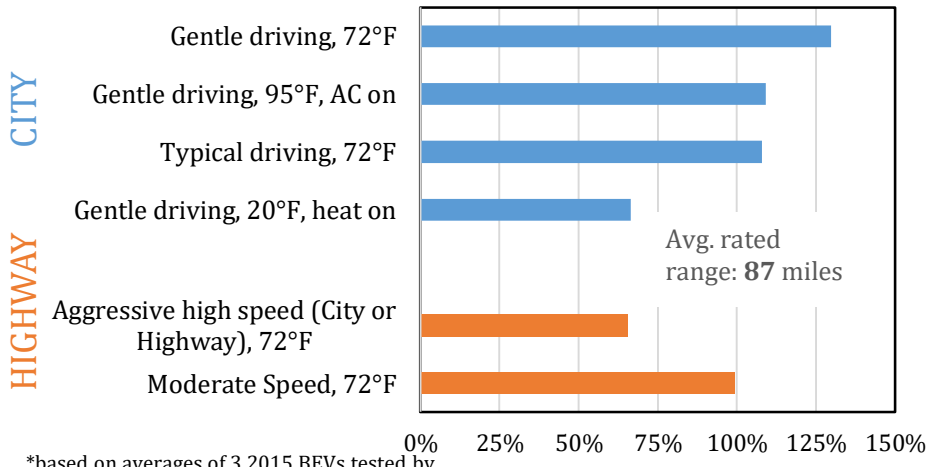
Did You Know?
A full charge can give PHEVs up to 100 miles of electric range and BEVs up to 300 miles of range, depending on the model. These distances can change depending on factors like weather, driving conditions, and driving habits. See on the right how varying your speed, driving behavior, and temperature affect battery range.

DC Fast Charging Stations in VA



*ChAdeMo/SAE combo stations are double counted
Suburbs of Hampton Roads Metropolitan area

Range Depletion Dependent on Driving and Weather Conditions



*based on averages of 3 2015 BEVs tested by ANL and rated on fueleconomy.gov (Mercedes-Benz-B-Class EV, Kia Soul EV, Chevrolet Spark EV)